

84

Project No. _____

Book No. _____

TITLE

Turnover for Vent, deep Vent, T
(follow P. 61, 7)

From Page No. _____

	(A)	(B)	(C)
H ₂ O	399 487	487 464	487 476
5X Chelex buffer	133		
10X KlenTaq		66.7	
10X Vent buffer			66.7
Taq storage buffer	6.7 λ		
3.7 mg/ml actin	90		
DNA			
4 ATP-TTP 10mM each	3.33		
32P dATP 10mCi/ml	1.2 λ		
Mg(OAc) ₂ 50 mM	1.6 μ l		
MgSO ₄ 100 mM		8 μ l	
DM50 100 μ l			

	0.65 ml			0.633			0.633.65 use 180		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Taq storage buffer	195	195	195	180	180	150	190	190	19
Vent 0.08 μ l	4			4	4	-	4		
Deep Vent 0.08 μ l		4			4			4	
Taq 0.07 μ l			4			4			4

main to 70°C, start by addition of pol to 6 to 6

remove 15 μ l to 5 μ l 0.2 MEDTA \rightarrow spot 15 μ l on GEL
and remove 5 μ l to 5 μ l Kill solution (20 μ mol/ml DAM
100 mM EDTA) at:

0 5 15 30 45 60 min
spot 2 μ l on PEI resolve in 1M LiCl

* dilutions of pol
name as P81

Results: see graph on P81

To Page N.

Witnessed & Understood by m ,

Deena a Polay

Dat

" 29/94

Inv nt d by

Rec rded by

Dat

11-9-94

ag N

(1)

14.4

✓

✓

✓

66.7 20

✓

→ 27

✓ (0.0)

1 ml / 100 μl PCR ⇒

Cf = 0.005% Tween 20/NP40

So this makes up for no TPE here - its present in 50's long PCR Run.

→ 1

✓

(Cp = 50 μm each)

→ 0.36

✓

(220 x 10⁶ total cpm)

✓

(1.2 mm Mg(OAc)₂

✓

(1.2 mm Mg SO₄ in Klenow buffer

4

μl

✓

Cf =

(2% DMSO)

2 mm Mg SO₄ in 1X Vent buffer)

(10)

19.4

✓

(0.4 units total of each pol)

4

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Read & Understood by me,

Date

11/29/94

Invented by

Date

11-9-94

Recorded by